AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method of surface treatment of a titanium metal where	ein
comprising	
plasma carburizing is carried out in an atmosphere comprising a carburizing gas hav	ing
the a molar ratio of hydrogen atoms (H) to carbon atoms (C) adjusted to $1 \le H/C \le 9$ at	at a
pressure of 13-400 Pa and a temperature of 400-690 °C.	
2. (Currently amended) A method of surface treatment of a titanium metal comprising	the
steps of heating the titanium metal to a temperature of 400-690 °C in a cleaning gas atmosph	iere
containing hydrogen gas,	
subjecting the surface of the titanium metal to cleaning by applying a DC voltage of 20	00-
1500 V, and	
plasma carburizing in an atmosphere comprising a carburizing gas having the a_mo	olar
ratio of hydrogen atoms (H) to carbon atoms (C) adjusted to $1 \le H/C \le 9$ at a pressure of 13-4	400
Pa and a temperature of 400-690 °C	